

Appl No. 10/715,652
Response Date: 02/06/2006
Response to Final Office Action

AMENDMENTS TO THE CLAIMS

1. (currently amended) A method for recording, on one recording medium, an image and a positional information image representing positional information corresponding to at least positions on the recording medium and the other image, using a recording apparatus that applies a recording material onto the recording medium, the method comprising:

the step of obtaining dot data of a color material forming the positional information image, according to record data for recording the positional information image, wherein the positional information image includes information designating positions where positional information is recorded on the recording medium;

the conversion step of converting dot data of a color material forming said the other image so that the dot density of said the other image is reduced when a position of the dot data forming said image and a position of the dot data forming said positional information image overlap, on the basis of the dot data of the color material forming the positional information; and

the recording step of recording the images on the recording medium, according to the record data of the positional information image and the converted data of said the other image.

2. (currently amended) A method according to Claim 1, wherein in the conversion step, dots of said ~~the other image~~ provided in positions where the dots of the positional information image are provided are removed to reduce the dot density of said image.

3. (currently amended) A method according to Claim 1, wherein in the conversion step, dots of said ~~the other image~~ in and adjacent to positions where the dots

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of the positional information image are provided are removed to reduce the dot density of said image.

4. (currently amended) A method according to Claim 1, wherein in the conversion step, the duty of the dots of said ~~the other image~~ provided in a predetermined area adjacent to the dots of the positional information image is reduced to reduce the dot density of said image.

5. (original) A method according to Claim 1, wherein in the recording step, the color material forming the positional information image contains carbon black.

6. (currently amended) A recording system for recording an image and a representing positional information image corresponding to positions on at least a recording medium and the other image on one recording medium, the system comprising:

a recording apparatus for performing recording by applying a recording material onto the recording medium according to image data;

a transmitter for transmitting the image data to the recording apparatus;

acquisition means for obtaining dot data of a color material forming the positional information image, according to record data for recording the positional information image, wherein the positional information image includes information designating positions where positional information is recorded on the recording medium; and

conversion means for converting dot data of a color material forming said ~~the other image~~ so that the dot density of said ~~the other image~~ is reduced when a position of the dot data forming said image and a position of the dot data forming said positional information image overlap, on the basis of the dot data of the color material forming the positional information.

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7. (currently amended) A system according to Claim 6, wherein in the conversion means, ~~a~~ dots of said ~~the other~~ image provided in positions where the dots of the positional information image are provided are removed to reduce the dot density of said ~~the other~~ image.

8. (currently amended) A system according to Claim 6, wherein in the data converting means, dots of said ~~the other~~ image in and adjacent to positions where the dots of the positional information image are provided are removed to reduce the dot density of said ~~the other~~ image.

9. (currently amended) A system according to Claim 6, wherein in the data converting means, the duty of the dots of said ~~the other~~ image provided in a predetermined area adjacent to the dots of the positional information image is reduced to reduce the dot density of said ~~the other~~ image.

10. (original) A system according to Claim 6, wherein the recording apparatus is capable of recording an image with a color material containing carbon black, and the dots of the positional information image are recorded with the color material containing carbon black.

11. (currently amended) An image processing apparatus for recording an image by applying a recording material onto a recording medium, the image processing apparatus performing processing for recording, on one recording medium, a positional information image ~~representing positional information corresponding to at least positions on the recording medium~~ and the other image, the image processing apparatus comprising:

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acquisition means for obtaining dot data of a color material forming the positional information image, according to record data for recording the positional information image, wherein the positional information image includes information designating positions where positional information is recorded on the recording medium; and

data processing means for processing dot data of a color material forming said the ~~other~~ image so that the dot density of said ~~the other~~ image is reduced when a position of the dot data forming the image and a position of the dot data forming the positional information image overlap, on the basis of the dot data of the color material forming the positional information.

12. (new) An image processing apparatus according to Claim 11, wherein in the data processing means, dots of said image provided in positions where the dots of the positional information image are provided are removed to reduce the dot density of said image.

13. (new) An image processing apparatus according to Claim 11, wherein in the data processing means, dots of said image in and adjacent to positions where the dots of the positional information image are provided are removed to reduce the dot density of said image.

14. (new) An image processing apparatus according to Claim 11, wherein in the data processing means, the duty of the dots of said image provided in a predetermined area adjacent to the dots of the positional information image is reduced to reduce the dot density of said image.

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15. (new) An image processing apparatus according to Claim 11, wherein the image processing apparatus is capable of recording an image with a color material containing carbon black, and the dots of the positional information image are recorded with the color material containing carbon black.